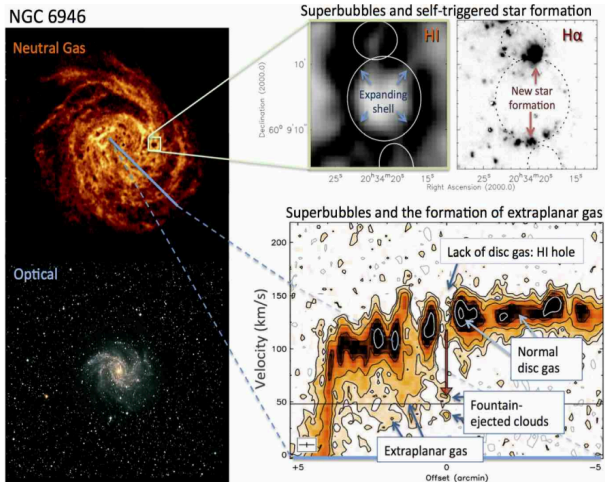


Accretion in action? The mysterious case of NGC 5102

Anastasia Ponomareva, Ken Freeman &
Sylvie Beaulieu

Gas accretion via fountains: signatures



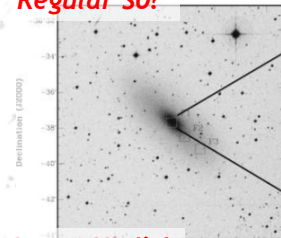
Fraternali 17

Motivation: NGC 5102

Regular S0?

SF in the
centre

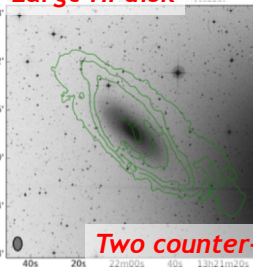
Beaulieu+10



Large HI disk

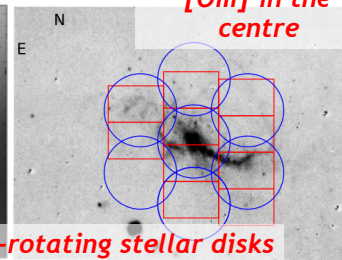
[OIII] in the
centre

Koribalski+18

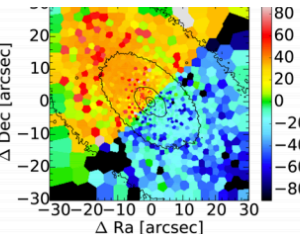
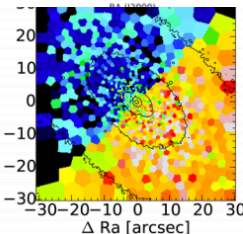


Two counter-rotating stellar disks

McMillan+94



Mitzkus+17



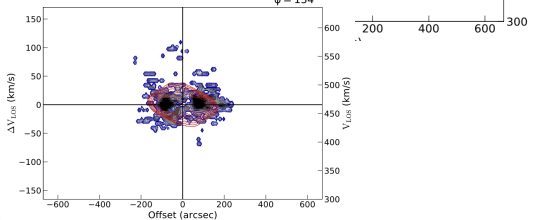
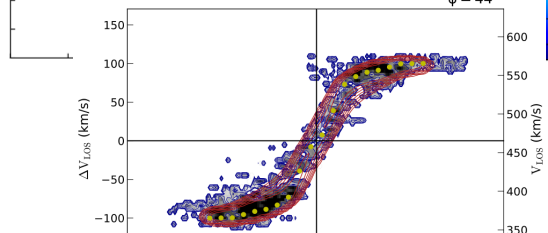
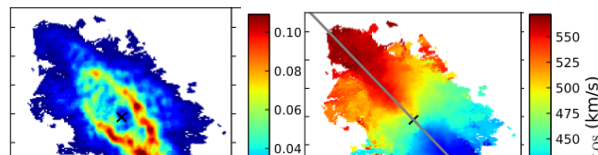
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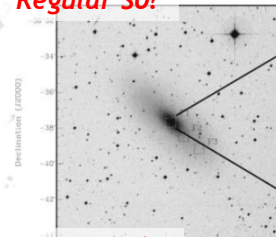
TCA 4X12 h HI observations



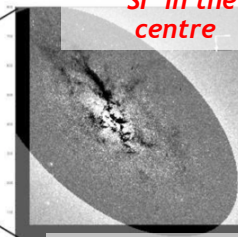
Motivation: NGC 5102

Regular S0?

Beaulieu+10

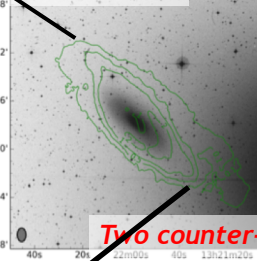


SF in the
centre

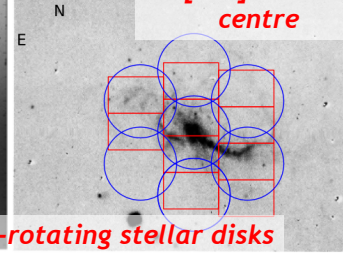


Large HI disk

Koribalski+18



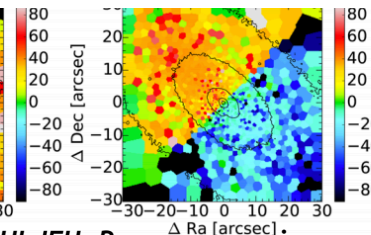
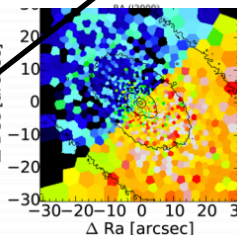
[OIII] in the
centre



Two counter-rotating stellar disks

McMillan+94

Mitzkus+17



HI+IFU: Ponomareva+ in prep

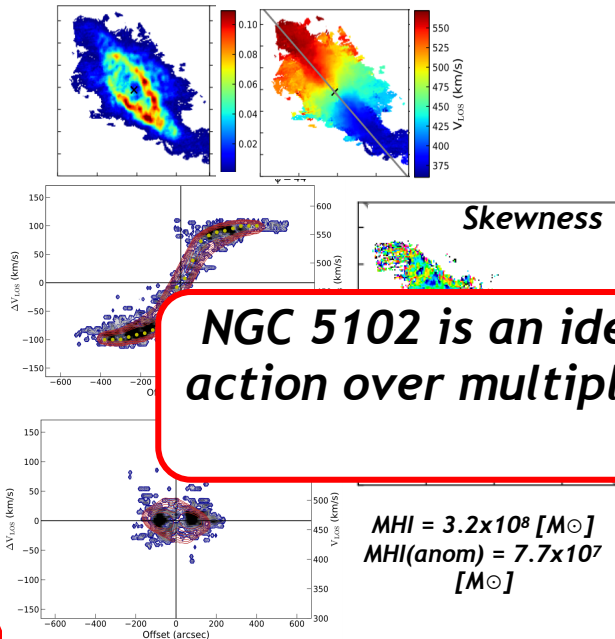
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ATCA 4X12 h HI observations

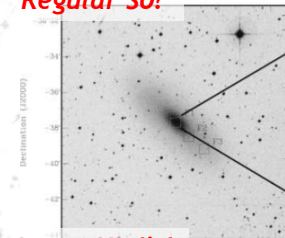


Motivation: NGC 5102

Regular S0?

SF in the
centre

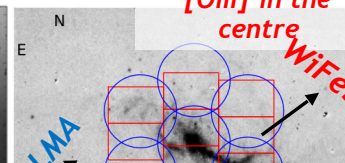
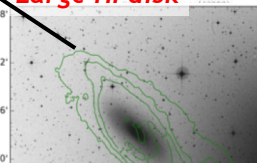
Beaulieu+10



Large HI disk

[OIII] in the
centre

tribalski+18



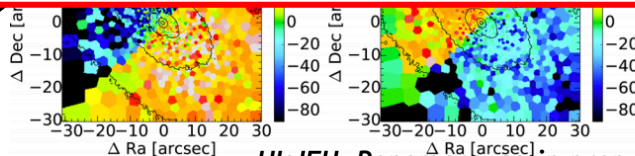
McMillan+94

NGC 5102 is an ideal candidate for the case of accretion in
action over multiple wavelengths

Stay tuned!

$M_{HI} = 3.2 \times 10^8 [M_{\odot}]$
 $M_{HI}(anom) = 7.7 \times 10^7 [M_{\odot}]$

Mitzkus



HI+IFU: Ponomareva+ in prep